Applicant: Ulrich MEINGAST et al

Docket No. R.307047 Preliminary Amdt.

## **AMENDMENTS TO THE SPECIFICATION:**

Page 1, please add the following <u>new</u> paragraphs before paragraph [0001]:

[0000.2] CROSS-REFERENCE TO RELATED APPLICATIONS

[0000.4] This application is a 35 USC 371 application of PCT/DE 2004/002556 filed on November 19, 2004.

[0000.6] BACKGROUND OF THE INVENTION

[0000.8] Field of the Invention

Please replace paragraph [0001] with the following amended paragraph:

[0001] The invention relates to [[a]] an improved method of and [[an]] apparatus for posttreatment of an exhaust gas from an internal combustion engine[[,]] having the characteristics recited in the preambles to claims 1 and 4, respectively.

Please replace paragraph [0003] with the following amended paragraph:

[0003] Apparatuses of the type defined at the outset, with which a substance to be mixed with the exhaust gas from an internal combustion engine is sprayed in metered quantities into an exhaust gas line through which exhaust gas flows are known for two different purposes.

Page 2, please replace paragraph [0006] with the following amended paragraph:

[0006] Advantages of the Invention

## SUMMARY AND ADVANTAGES OF THE INVENTION

Please replace paragraph [0007] with the following amended paragraph:

[0007] The method of the invention and [[the]] apparatus of the invention having the characteristics recited in claims 1 and 4, respectively, offer the advantage over the prior art

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that the temperature of [[the]] an impact plate, mounted inside the exhaust gas line, is

generally higher, because of lower heat losses, than that of an adjacent wall of the exhaust gas

line. This also brings about faster heating up of the substance sprayed into the exhaust gas

flow as it strikes the impact plate, located in the spraying direction of the spray device, or on

striking its impact face diametrically opposite the spray device.

Page 5, please add the following <u>new</u> paragraph after paragraph [0014]:

[0014.5] BRIEF DESCRIPTION OF THE DRAWINGS

Please replace paragraph [0015] with the following amended paragraph:

[0015] The invention is described in further detail below in two exemplary embodiments in

conjunction with the drawings, in which [[.]] Shown are:

Please replace paragraph [0016] with the following amended paragraph:

[0016] Fig. 1[[,]] is a longitudinal sectional view through part of a motor vehicle tail pipe

with an apparatus according to the invention;

Please replace paragraph [0021] with the following amended paragraph:

[0021] Description of the Exemplary Embodiment

**DESCRIPTION OF THE PREFERRED EMBODIMENT** 

Page 7, please replace paragraph [0027] with the following amended paragraph:

[0027] The thickness of the material comprising the impact plate 18 is relatively slight, or in

other words less than the thickness of the wall 16 of the tail pipe 2, so that because of its low

thermal capacity and the poor thermal conductivity of the spacer feet [[28]] 26, it very quickly

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heats up to the temperature of the hot tail pipe gases, and unlike the externally cooled wall of

the tail pipe 2, it also maintains that temperature. Thus the urea-water solution striking the

impact face 22 also heats up quickly and evaporates from the impact face 22, so that even at

low exhaust gas speeds and/or low exhaust gas temperatures downstream of the impact face

22, no deposits of urea or reaction products of the urea form in the tail pipe 2 or on the impact

plate 18.

Page 9, please add the following <u>new</u> paragraph after paragraph [0032]:

[0033] The foregoing relates to a preferred exemplary embodiment of the invention, it being

understood that other variants and embodiments thereof are possible within the spirit and

scope of the invention, the latter being defined by the appended claims.

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